Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/12/2019 11:18 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123746	-2	5.09	123789	5.20
Blue	F	SSC	125000	123280	-2	4.38	124113	4.38
Blue	E	FITC	16122	15496	-4	4.76	336	20.99
Blue	D	PE	29316	28535	-3	4.54	623	15.96
Blue	B	PerCP-Cy5-5	42590	42117	-2	5.75	1134	21.43
Blue	A	PE-Cy7	33146	32862	-1	8.76	618	43.58
Red	C	APC	45473	44732	-2	3.89	1591	12.70
Red	A	APC-Cy7	31961	30922	-4	5.77	816	13.70
Violet	B	V450	7914	7470	-6	3.63	423	14.10
Violet	A	V500	29769	28432	-5	3.42	663	10.39

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21114	6.27	621	21	N/A	N/A	Pass
Blue	F	SSC	54892	4.32	555	17	N/A	N/A	Pass
Blue	E	FITC	61	65.09	546	9	0.0185	112	Pass
Blue	D	PE	129	54.53	549	12	0.1610	349	Pass
Blue	B	PerCP-Cy5-5	205	52.64	653	15	0.0085	76	Pass
Blue	A	PE-Cy7	111	110.70	713	22	0.0100	21	Pass
Red	C	APC	374	25.99	589	10	0.0232	137	Pass
Red	A	APC-Cy7	180	31.05	567	11	0.0050	1091	Pass
Violet	B	V450	67	59.30	458	-2	0.0348	1405	Pass
Violet	A	V500	100	32.10	471	-1	0.0212	490	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.03	-31.72	1.03
Blue	20.37	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.49
Red	16.21	13.60 - 20.40	N/A	N/A	29.20	29.59	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9549

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments